



Please type a plus sign (+) inside this box

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

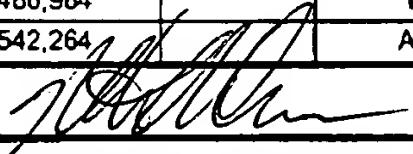
1

of

2

### Complete if Known

Application Number	09/884,424
Filing Date	June 19, 2001
First Named Inventor	Robert Mays
Group Art Unit	2671
Examiner Name	Unassigned
Attorney Docket Number	MYS-01-08-12

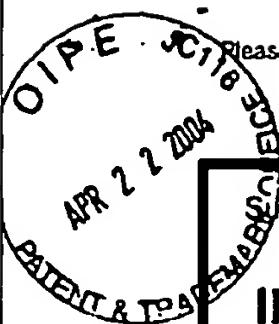
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
RC	B1	3,610,926		Kastner et al.	10-05-1971
RC	B2	4,296,994		Quick et al.	10-27-1981
RC	B3	4,359,259		Homer et al.	11-16-1982
RC	B4	4,392,709		Homer et al.	07-12-1983
RC	B5	4,807,978		Grinberg et al.	02-28-1989
RC	B6	4,897,541		Phillips	01-30-1990
RIC	B7	4,991,150		Wixom	02-05-1991
RIC	B8	5,008,890		McFarlane	04-16-1991
RIC	B9	5,103,324		Brandstetter	04-07-1992
RIC	B10	5,245,623		McFarlane	09-14-1993
RIC	B11	5,325,386		Jewell et al.	06-28-1994
RIC	B12	5,369,415		Richard et al.	11-29-1994
RIC	B13	5,399,315		Paz-Pujalt et al.	03-21-1995
RIC	B14	5,411,709		Furuki et al.	05-02-1995
RIC	B15	5,442,433		Hoshino et al.	08-15-1995
RIC	B16	5,446,334		Gaffney	08-29-1995
RIC	B17	5,467,104		Furness, III et al.	11-14-1995
RIC	B18	5,596,339		Furness, III et al.	01-21-1997
RIC	B19	5,602,679		Dolgoff et al.	02-11-1997
RIC	B20	5,622,868		Clarke et al.	04-22-1997
RIC	B21	5,659,327		Furness III, et al.	08-19-1997
RIC	B22	5,822,091		Baker	10-13-1998
RIC	B23	5,857,042		Robertson et al.	01-05-1999
RIC	B24	5,886,822		Spitzer	03-23-1999
RIC	B25	6,008,781		Furness, III et al.	12-28-1999
RIC	B26	6,079,252		Tabler et al.	06-27-2000
RIC	B27	6,081,430		La Rue	06-27-2000
RIC	B28	6,083,767		Tjaden et al.	07-04-2000
RIC	B29	6,284,546		Bryning et al.	09-04-2001
RIC	B30	6,304,894		Ford, Joseph Earl	10-16-2001
RIC	B31	6,449,066		Ams et al.	09-10-2002
RIC	B32	6,452,700		Mays Jr., Robert	09-17-2002
RIC	B33	6,486,984		Baney et al.	11-26-2002
RIC	B34	6,542,264		Agranat et al.	04-01-2003
Examiner Signature				Date Considered	3/9/05

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Best Available Copy



Please type a plus sign (+) inside this box

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449B/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

2

of

2

### Complete if Known

Application Number	09/884,424
Filing Date	June 19, 2001
First Named Inventor	Robert Mays
Group Art Unit	2671
Examiner Name	Unassigned
Attorney Docket Number	MYs-01-08-12

### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
MC	B35	Mays, Robert Jr. "Computer Backplane Employing Free-Space Optical Interconnect," U.S. Patent Application Publication 2002/0089709. Published on July 11, 2002.	
MC	B36	Mays, Robert Jr. "Network Routing Employing Free-Space Optical Broadcasting," U.S. Patent Application Publication 2002/0191254. Published on December 19, 2002.	
MC	B37	"United States Frequency Allocations-1996," <a href="http://www.autoid.org/documents/freqallochrt.pdf">http://www.autoid.org/documents/freqallochrt.pdf</a>	
MC	B38	Mays, Robert Jr. "Filtering Technique For Free Space Interconnects," U.S. Patent Application Publication 2002/0024702. Published on February 28, 2002.	
MC	B39	Mays, Robert Jr. "Polarized-Holographic Filtering Providing Improved Extinction Ratio. U.S. Patent Application Publication 2002/0167698. Published on November 14, 2002.	
MC	B40	Stewart, James E. "Optical Principles and Technology For Engineers," Library of Congress Cataloging-in-Publication Data, 1996, pp. 45-81.	
MC	B41	Hariharan, P. "Optical Holography: Principles, Techniques, and Applications," Library of Congress Cataloging-in-Publication Data, 1996, pp. 213-123.	
			RECEIVED
			APR 23 2004
			Technology Center 2600

Examiner Signature

Date Considered

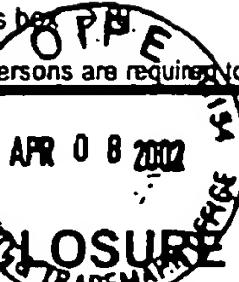
3/9/05

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

Please type a plus sign (+) inside this box.



Substitute for form 1449A/PTO

APR 08 2001

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

2

Complete if Known

Application Number	09/884,424
Filing Date	June 19, 2001
First Named Inventor	Mays, Jr., Robert
Group Art Unit	2671
Examiner Name	Unassigned
Attorney Docket Number	MYS-01-08-12

RECEIVED

APR 09 2002

Technology Center 2600

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
MC	AA	3,751,132		Croh	08-07-1973	
MC	AB	3,785,736		Spitz et al.	01-15-1974	
MC	AC	4,057,319		Ash et al.	11-08-1977	
MC	AD	4,710,605		Presby	12-01-1987	
AC	AE	4,817,207		Smith et al.	03-28-1989	
MC	AF	4,932,989		Presby	06-12-1990	
MC	AG	4,953,954		Ewbank et al.	09-04-1990	
AC	AH	5,011,254		Edwards et al.	04-30-1991	
AC	AI	5,140,657		Thylen	08-08-1992	
AC	AJ	5,256,851		Presby	10-26-1993	
AC	AK	5,446,572		Husbands et al.	08-29-1995	
AC	AL	5,446,816		Shiraishi et al.	08-29-1995	
AC	AM	5,515,194		Kanterakis et al.	05-07-1996	
AC	AN	5,521,913		Gridley	05-28-1996	
AC	AO	5,677,778		Kanterakis	10-14-1997	
AC	AP	5,699,464		Marcuse et al.	12-16-1997	
AC	AQ	5,772,720		Talra-Griffin et al.	06-30-1998	
AC	AR	5,793,919		Payne et al.	08-11-1998	
AC	AS	5,809,198		Weber et al.	09-15-1998	
AC	AT	5,832,147		Yeh et al.	11-03-1998	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>4</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
AC	AU	WO	99/59766		Brown	11-16-1999		
AC	AV	WO	99/60192		Brown	11-25-1999		
AC	AW	WO	00/02700		Hoetzel	01-13-2000		
AC	AX	WO	00/04660		Amadon et al.	01-27-2000		
AC	AY	WO	00/05026		Berndt	02-17-2000		
AC	AZ	WO	00/32327		Mayer et al.	06-08-2000		
AC	BA	WO	00/28359		Feth et al.	10-31-2000		

Examiner Signature		Date Considered	3/9/05
--------------------	--	-----------------	--------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Please type a plus sign (+) inside this box

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**Substitute for form 1449A/PTO**

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(use as many sheets as necessary)*

Sheet 1 of 1

**Complete If Known**

Application Number	09/884,424
Filing Date	June 19, 2001
First Named Inventor	Robert Mays, Jr.
Group Art Unit	2671
Examiner Name	Unassigned
Attorney Docket Number	MY5-01-08-12

## U.S. PATENT DOCUMENTS

**EXAMINER:** *Indicate if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.*

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 1G if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent in the Client Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

**BLACK BORDERS**

**IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**

**FADED TEXT OR DRAWING**

**BLURRED OR ILLEGIBLE TEXT OR DRAWING**

**SKEWED/SLANTED IMAGES**

**COLOR OR BLACK AND WHITE PHOTOGRAPHS**

**GRAY SCALE DOCUMENTS**

**LINES OR MARKS ON ORIGINAL DOCUMENT**

**REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**

**OTHER: \_\_\_\_\_**

**IMAGES ARE BEST AVAILABLE COPY.**

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.